

UHF Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG215, RG216



RF Connectors Technical Data Sheet

PE44050

Configuration

- UHF Male Connector
- 50 Ohms
- Straight Body Geometry

- RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG215, RG216 Interface Type
- Clamp/Solder Attachment

Features

- Max. Operating Frequency 300 MHz
- Good VSWR of 1.3:1

- Gold Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44050 UHF male connector with clamp/solder attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG215 and RG216 is part of our full line of RF components available for same-day shipping. Our UHF male connector operates up to a maximum frequency of 300 MHz and offers good VSWR of 1.3:1.

Our UHF male connector PE44050 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		300	MHz
VSWR			1.3:1	
Operating Voltage (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size	
Length	1.44 in [36.58 mm]
Width/Dia.	0.75 in [19.05 mm]
Weight	0.076 lbs [34.47 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [UHF Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG215, RG216 PE44050](#)

UHF Male Connector Clamp/Solder Attachment
 for RG213, RG214, RG8, RG9, RG11, RG225,
 RG393, RG144, RG215, RG216



RF Connectors Technical Data Sheet

PE44050

Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Nickel
Coupling Nut	Brass	Nickel

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

UHF Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG215, RG216 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [UHF Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG215, RG216 PE44050](#)

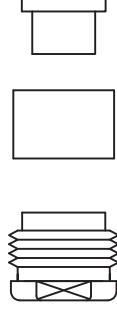
URL: <https://www.pasternack.com/uhf-male-standard-rg213-rg214-rg8-rg9-rg11-rg225-rg393-connector-pe44050-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

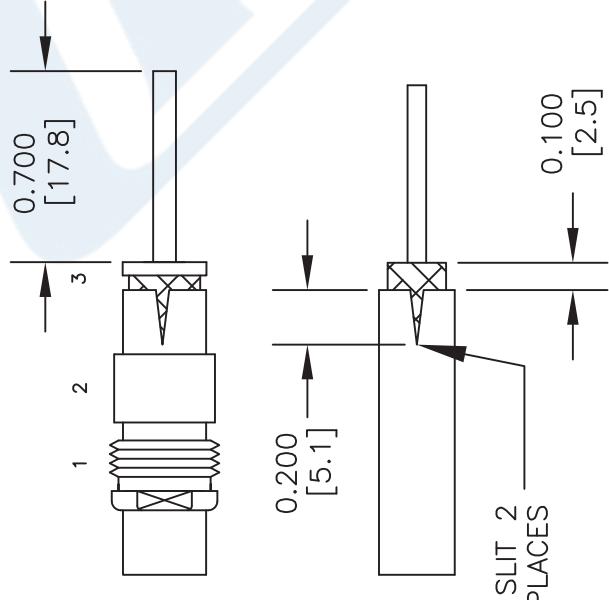
PE44050 CAD Drawing

UHF Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG215, RG216

ASSEMBLY PROCEDURES

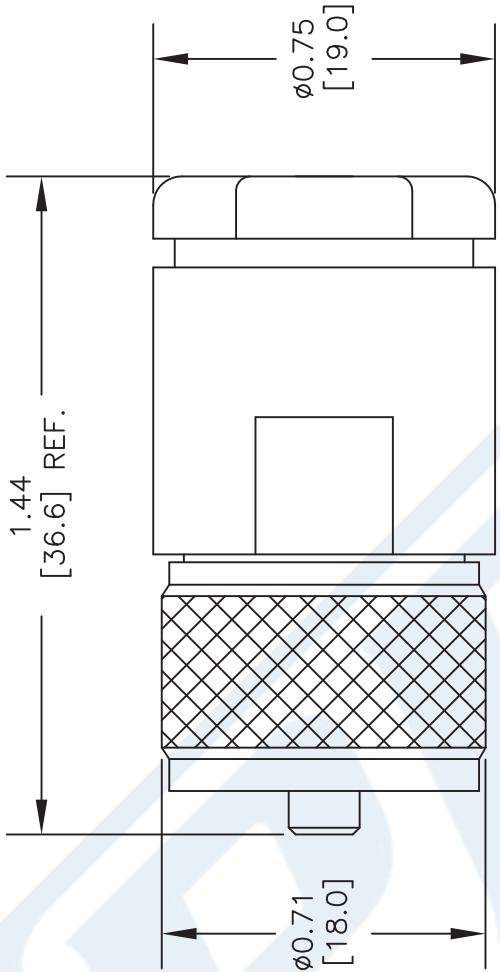


1. SLIDE CLAMP NUT (1) & GASKET (2) OVER CABLE.
STRIP CABLE AS SHOWN BELOW



STRIPPING DIMENSIONS

2. INSERT BRAID CLAMP (3) BETWEEN BRAID & DIELECTRIC. INSERT ASSEMBLY INTO BODY. AND TIGHTEN CLAMP NUT. THEN SOLDER CENTER CONDUCTOR TO CONTACT.



STANDARD TOLERANCES

X ± 0.008
XX ± 0.004
XXX ± 0.002

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE
PE44050

FSCM NO.

53919

CAD FILE

032316

SCALE N/A

SIZE A

3045

PASTERNACK
THE ENGINEER'S RF SOURCE
Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com



N Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215

RF Connectors Technical Data Sheet

PE4062

Configuration

- N Male Connector
- 50 Ohms
- Straight Body Geometry

- Connector Interface Types: RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215

Features

- Max. Operating Frequency 11 GHz
- Good VSWR of 1.5:1

- Gold Plated Brass Contact
- 30 μ in minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4062 type N male connector with clamp/solder attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216 and RG215 is part of our full line of RF components available for same-day shipping. Our type N male connector operates up to a maximum frequency of 11 GHz and offers good VSWR of 1.5:1.

Our type N male connector PE4062 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		11	GHz
VSWR			1.5:1	
Operating Voltage (AC)			1,000	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 6	6 to 11				GHz
VSWR, Max	1.3:1	1.5:1				

Mechanical Specifications

Size

Length
Width/Dia.

1.51 in [38.35 mm]
0.787 in [19.99 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 PE4062](#)



N Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215

RF Connectors Technical Data Sheet

PE4062

Weight 0.116 lbs [52.62 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 μ in minimum
Insulation	PTFE	
Body	Brass	Nickel 100 μ in minimum
Coupling Nut	Brass	Nickel 100 μ in minimum

Mechanical Specification Notes:

When attaching the connector to the cable use a clamp torque value of 60 to 65 in-lbs [6.78 to 7.34 Nm]

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 PE4062](#)

N Male Connector Clamp/Solder Attachment for RG213, RG214,
RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215



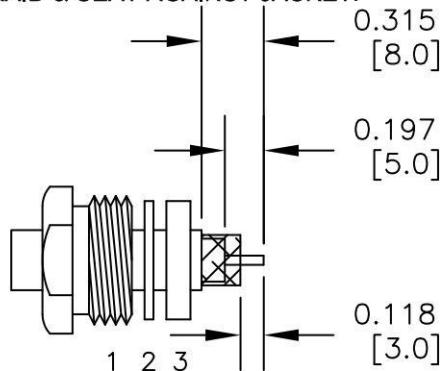
RF Connectors
Technical Data Sheet

PE4062

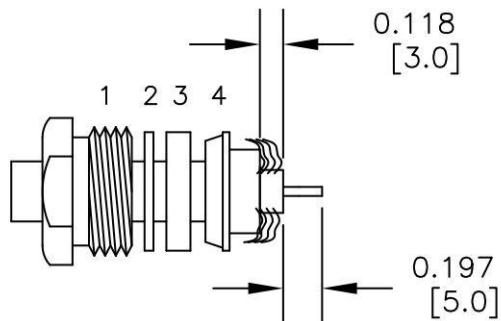
Assembly Instruction

ASSEMBLY INSTRUCTIONS

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (4). SLIDE BRAID CLAMP (4) OVER BRAID & SEAT AGAINST JACKET.



2. FORM BRAID OVER CLAMP NUT (4). CUT DIELECTRIC AND CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 PE4062](#)



N Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215

RF Connectors Technical Data Sheet

PE4062

N Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

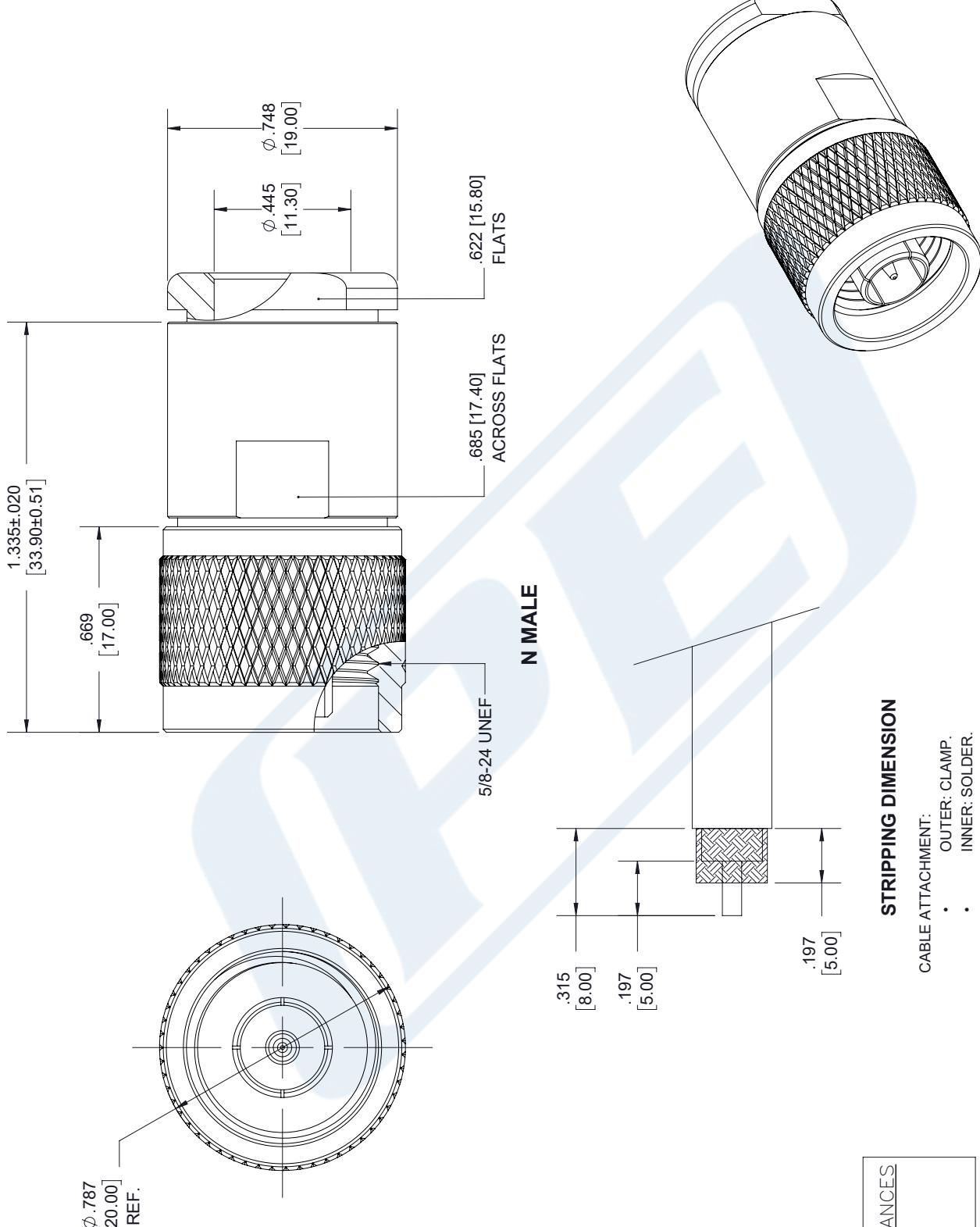
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 PE4062](#)

URL: <https://www.pasternack.com/n-male-standard-rg213-rg214-rg8-rg9-rg11-rg225-rg393-connector-pe4062-p.aspx>

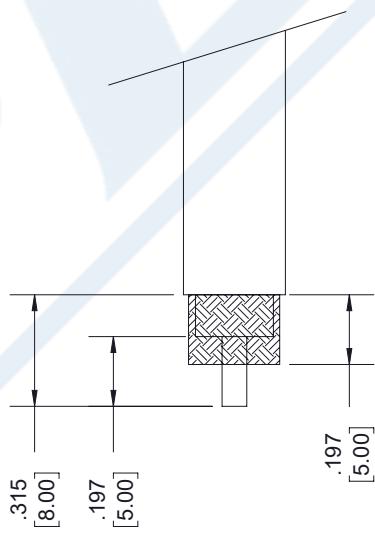
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE4062 CAD Drawing

N Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215



N MALE



STRIPPING DIMENSION

- CABLE ATTACHMENT:
- OUTER: CLAMP.
- INNER: SOLDER.

STANDARD TOLERANCES

X ± 0.2
.XX ± 0.01
.XXX ± 0.005

ONLY TO DIMENSIONS IN INCHES
*STANDARD TOLERANCES APPLY

PE PASTERNACK®
THE ENGINEER'S RESOURCE

Pasterнак Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasterнак.com | E-Mail: sales@pasterнак.com

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE

PE4062

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]

.669 [17.00]

.685 [17.40] ACROSS FLATS

.622 [15.80] FLATS

5/8-24 UNEF

REF.

1.335±.020 [33.90±0.51]



Flexible RG8 Coax Cable Single Shielded with Black PVC (NC) Jacket

RF Cables Technical Data Sheet

RG8A/U

Times Microwave Systems Coax Cable Specification

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Nominal Capacitance		30.8 [101.05]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	1	10	50	400	700	MHz
Attenuation, Typ	0.2	0.6	1.3	4.1	6.5	dB/100ft
	0.66	1.97	4.27	13.45	21.33	dB/100m

Description	F6	F7	F8	F9	F10	Units
Frequency	900	1,000				MHz
Attenuation, Typ	7.6	8				dB/100ft
	24.93	26.25				dB/100m

Mechanical Specifications

Diameter	0.405 in [10.29 mm]
Weight	0.105 lbs/ft [0.16 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 7 Strands	0.085 in [2.16 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG8 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG8A/U](#)



Flexible RG8 Coax Cable Single Shielded with Black PVC (NC) Jacket

RF Cables Technical Data Sheet

RG8A/U

Conductor Type	Stranded	
Dielectric	PE	0.285 in [7.24 mm]
First Shield	Copper Braid	0.318 in [8.08 mm]
Jacket	PVC (NC), Black	0.405 in [10.29 mm]

Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Flexible RG8 Coax Cable Single Shielded with Black PVC (NC) Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

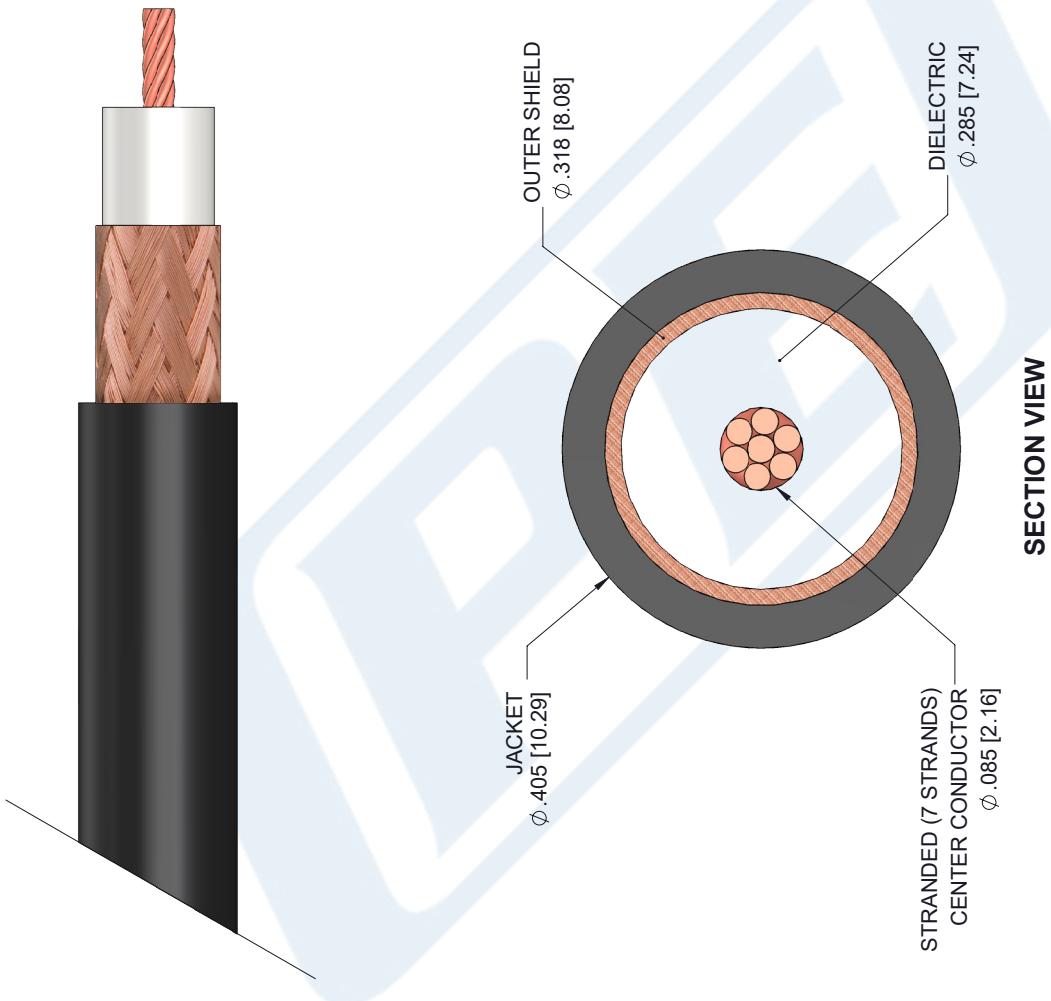
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG8 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG8A/U](#)

URL: <https://www.pasternack.com/flexible-0.405-rg8-52-ohm-coax-cable-pvc-jacket-rg8a-u-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

RG8A/U CAD Drawing

Flexible RG8 Coax Cable Single Shielded with Black PVC (NC) Jacket



PASTERNACK
THE ENGINEER'S RESOURCE
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

NOTES:			
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.			
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.			
3. DIMENSIONS ARE IN INCHES [mm].			
PASTERNACK THE ENGINEER'S RESOURCE	DWG TITLE RG8A/U	CAD FILE 12/21/18	SCALE N/A
	CAGE CODE 53919		SIZE A 7361